

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2005/000413

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G01N 33/53, C12Q 1/68, G03F 7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G01N, C12Q, G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004006291 A2 (CAMBRIDGE DISPLAY TECHNOLOGY LIMITED), 15 January 2004 (15.01.2004)	1
Y		2-19,21,23, 24
A	---	20
Y	WO 03096016 A1 (INGANÄS OLLE ET AL), 20 November 2003 (20.11.2003)	2-19,21,23, 24
A	---	1,20

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

4 July 2005

Date of mailing of the international search report

06-07-2005

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2005/000413

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TAN JOHN L. ET AL, "Microcontact Printing of Proteins on Mixed Self-Assembled Monolayers", Langmuir 2002, Vol. 18, p. 519-523 --	1,5,9,10
Y	INGANÄS O. ET AL, "Chip and solution detection of DNA hybridization using a luminescent zwitterionic polythiophene derivative", Nature materials June 2003, Vol. 2, No. 6, p. 419-426	2-19,21,23, 24
A	--	1-20

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/SE2005/000413**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: 1 – 24  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/SE2005/000413**BOX II.2**

Present claims 1-24 relate to an extremely large number of possible compounds or substrates, due to the expression "derivatives thereof" and "variants thereof". Support within the meaning of Article 6 PCT and / or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds and substrates claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible.

Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the reporter molecules defined in examples 1-7, namely POWT, and claim 2. The search has been performed for the substrates described in claim 5 with the proviso for "variants thereof".

INTERNATIONAL SEARCH REPORT  
Information on patent family members

28/05/2005

International application No.  
PCT/SE 2005/000413

WO	2004006291	A2	15/01/2004	AU	2003244841 A	00/00/0000
				GB	0215858 D	00/00/0000
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WO	03096016	A1	20/11/2003	AU	2002326259 A	00/00/0000
				AU	2003230536 A	00/00/0000
				CA	2487947 A	20/11/2003
				EP	1504263 A	09/02/2005
				SE	0201468 D	00/00/0000
				WO	2004017454 A	26/02/2004
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